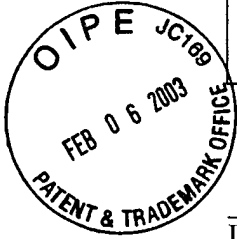


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(Anna P. Lucey)

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Docket No.: G... P02-0003
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Beach et al.

Application No.: 09/866557

Group Art Unit: 1637

Filed: May 24, 2001

Examiner: J. Riley

For: METHODS AND COMPOSITIONS FOR
RNA INTERFERENCE

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
Washington, DC 20231

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

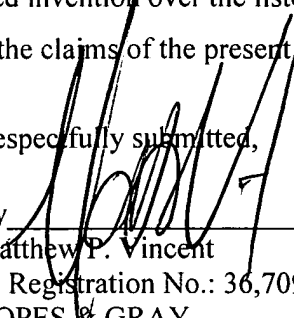
A copy of each reference on PTO/SB/08 is attached.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents should one or more of the documents be applied against the claims of the present application.

Dated:

Respectfully submitted,

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Form PTO/SB/08
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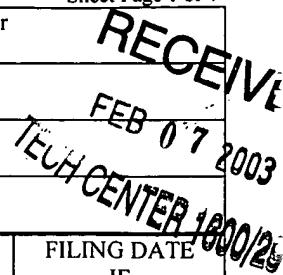
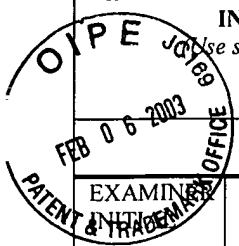
Application Number
 09/866,557

Applicant
 Beach et al.

Filing Date
 May 24, 2001

Group Art Unit
 1637

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U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	6,326,193	12/4/01	Liu et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
AB	WO 01/36646	5/25/01	PCT				
AC	WO 01/48183	7/5/01	PCT				
AD	WO 01/75164	10/11/01	PCT				
AE	WO 02/44321	6/6/02	PCT				
AF	WO 02/059300	8/1/02	PCT				
AG	WO 02/068635	9/6/02	PCT				

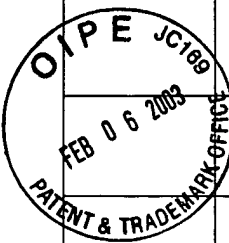
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AK	Bohmert, K. et al. AGO1 defines a novel locus of Arabidopsis controlling leaf development. <i>EMBO J.</i> 17, 170-180 (1998).
AL	Bosher, J.M. et al. RNA Interference Can Target Pre-mRNA: Consequences for Gene Expression in a Caenorhabditis elegans Operon. <i>Genetics</i> 153, 1245-1256 (Nov. 1999).
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AO	Cogoni, C. & Macino, G. Gene silencing in Neurospora crassa requires a protein homologous to RNA-dependent RNA polymerase. <i>Nature</i> 399, 166-169 (1999).
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AS	Di Nocera, P.P. & Dawid, I.B. Transient expression of genes introduced into cultured cells of Drosophila. <i>PNAS</i> 80, 7095-7098 (1983).
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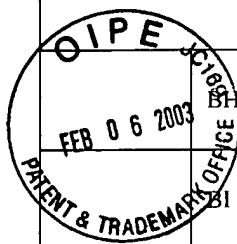
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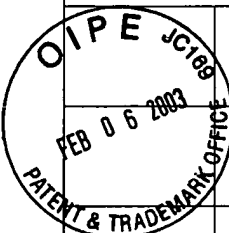
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	BJ	Kramer, E.R. et al. Activation of the human anaphase-promoting complex by proteins of the CDC20/Fizzy family. <i>Curr. Biol.</i> 8, 1207-1210 (1998).
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	BM	Matsuda, S. et al. Molecular cloning and characterization of a novel human gene (HERNA) which encodes a putative RNA-helicase. <i>Biochim. Biophys. Acta</i> 1490, 163-169 (2000).
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	BP	Montgomery, M.K. & Fire, A. Double-stranded RNA as a mediator in sequence-specific genetic silencing and co-suppression. <i>Trends Genet.</i> 14, 255-258 (1998).
	BQ	Mourrain, P. et al. Arabidopsis SGS2 and SGS3 Genes are Required for Posttranscriptional Gene Silencing and Natural Virus Resistance. <i>Cell</i> 101, 533-542 (2000).
	BR	Ngo, H. et al. Double-stranded RNA induces mRNA degradation in <i>Trypanosoma brucei</i> . <i>PNAS</i> 95, 14687-14692 (Dec. 1998).
	BS	Ratcliff, F. et al. A Similarity Between Viral Defense and Gene Silencing in Plants. <i>Science</i> 276, 1558-1560 (1997).
	BT	Sanchez Alvarado, A. & Newmark, P.A. Double-stranded RNA specifically disrupts gene expression during planarian regeneration. <i>PNAS</i> 96, 5049-5054 (April 1999).
	BU	Schneider, I. Cell lines derived from late embryonic stages of <i>Drosophila melanogaster</i> . <i>J. Embryol. Exp. Morphol.</i> 27, 353-365 (1972).
	BV	Sharp, P.A. RNAi and double-strand RNA. <i>Genes Dev.</i> 13, 139-141 (1999).
	BW	Shi, H. et al. Genetic interference in <i>Trypanosoma brucei</i> by heritable and inducible double-stranded RNA. <i>RNA</i> 6, 1069-1076 (2000).
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BY	Sijen, T. & Kooter, J.M. Post-transcriptional gene-silencing: RNAs on the attack or on the defense? <i>Bioessays</i> 22, 520-531 (2000).
BZ	Smardon, A. et al. EGO-1 is related to RNA-directed RNA polymerase and functions in germ-line development and RNA interference in <i>C. elegans</i> . <i>Curr. Biol.</i> 10, 169-178 (2000).
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CB	Tabara, H. et al. RNAi in <i>C. elegans</i> : Soaking in the Genome Sequence. <i>Science</i> 282, 430-432 (1998).
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CH	Wassenegger, M. & Pelissier, T. A model for RNA-mediated gene silencing in higher plants. <i>Plant Mol. Biol.</i> 37, 349-362 (1998).
CI	Waterhouse, P.M. et al. Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA. <i>PNAS</i> 95, 13959-13964 (Nov. 1998).
CJ	Wianny, F. & Zernicka-Goetz, M. Specific interference with gene function by double-stranded RNA in early mouse development. <i>Nature Cell Biol.</i> 2, 70-75 (2000).
CK	Wolf, D.A. & Jackson, P.K. Cell cycle: Oiling the gears of anaphase. <i>Curr. Biol.</i> 8, R636-R639 (1998).
CL	Zamore, P.D. et al. RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals. <i>Cell</i> 101, 25-33 (2000).

EXAMINER	DATE CONSIDERED
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